

Lake Striker Dam and Lake Striker

OWNER

Angelina and Nacogdoches Counties Water Control and Improvement District No. 1.

ENGINEER (Design)

J. M. Lloyd and Associates.
W. H. Wolverton.
Freese and Nichols.

LOCATION

On Striker Creek in Rusk and Cherokee Counties, 18 miles southwest of Henderson.

DRAINAGE AREA

182 square miles.

DAM

Type	Earthfill
Length (including service spillway)	2,400 ft
Height	42 ft
Top width (earthfill)	25 ft
Top of dam elevation	309.0 ft above msl

SPILLWAY (emergency)

Location	Right end of the dam
Crest length	600 ft
Crest elevation	294.0 ft above msl

SPILLWAY (service)

Type	Concrete ogee structure
Control	4 tainter gates, each 35 by 10 ft
Crest length	140 ft
Crest elevation	282.0 ft above msl

LOW FLOW OUTLET

Location	In service spillway
Type	Concrete pipe, 24-inch diameter
Invert elevation	282.0 ft above msl
Control	Flap valve

STATE AUTHORIZATION

Permit No. 1808 (Application No. 1946), January 25, 1956, authorizes construction of a dam to impound 26,500 acre-feet of water and annual diversion of 5,600 acre-feet for municipal and 15,000 acre-feet for industrial purposes.
Permit No. 1830 (Application No. 1974), June 18, 1956, amends the original permit by changing the location of the dam and increasing the capacity to 26,960 acre-feet.
Water is sold for industrial purposes to Texas Power & Light Company and Southland Paper Mills, Inc.

RESERVOIR DATA

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	309.0	—	—
Top of gates	292.0	26,960	2,400
Spillway crest	282.0	9,000	1,250
Usable capacity (pumping)	—	26,960	—

GENERAL

Construction started	July 23, 1956
Impoundment of water began	May 1, 1957
Dam completed	July 1, 1957
General contractor	Markham & Brown - McMullen & Larson
Cost of the project (1971 audit)	\$1,750,000

